

Stephen Schmidt  
Schmidt Furniture and Music, LLC  
13507 Shively Road, Bremen, IN 46506

Re: Registered Construction and Operation Status,  
039-12076-00537

Dear Mr. Schmidt

The application from Schmidt Furniture and Music, LLC, received on March 22, 2000, has been reviewed. Based on the data submitted and the provisions in (326 IAC 2-5.1), it has been determined that the following wood finishing, to be located at 903 Nelsons Parkway, Wakarusa, Indiana, is classified as registered:

The source consists of a furniture manufacturer using (1) wood finishing spray booth to apply stain and topcoat to the finished product.

The following conditions shall be applicable:

Pursuant to 326 IAC 5-1-2 (Opacity Limitations) except as provided in 326 IAC 5-1-3 (Temporary Alternative Opacity Limitations), opacity shall meet the following:

- (a) Opacity shall not exceed an average of forty percent (40%) in any one (1) six (6) minute averaging period as determined in 326 IAC 5-1-4.
- (b) Opacity shall not exceed sixty percent (60%) for more than a cumulative total of 15 minutes (60 readings) in a 6-hour period as measured according to 40 CFR 60, Appendix A, Method 9 or fifteen (15) one (1) minute nonoverlapping integrated averages for a continuous opacity monitor in a six (6) hour period.

**326 IAC 2-6 (Emission Reporting)**

This source is subject to 326 IAC 2-6 (Emission Reporting), because it has the potential to emit more than ten (10) tons per year of VOC. Pursuant to this rule, the owner/operator of the source must annually submit an emission statement for the source. The annual statement must be received by April 15 of each year and contain the minimum requirement as specified in 326 IAC 2-6-4. The submittal should cover the period defined in 326 IAC 2-6-2(8)(Emission Statement Operating Year).

**326 IAC 8-2-12 (Surface coating Emission Limitations: Wood Furniture and Cabinet Coating)**

Pursuant to 326 IAC 8-2-12 (b) the source shall apply the the coating using one or more of the application coating systems listed.

Airless Spray Application  
Electrostatic Spray Application  
Heated Airless Spray Application  
Brush or Wipe Application  
High Volume Low Pressure

Air-Assisted Airless Application  
Electrostatic Bell or Disc Application  
Roller Coating  
Dip-and Drain Application  
Aerosol Spray Cans

326 IAC 6-3-2 (Process Operations)

Pursuant to 326 IAC 6-3-2(c), the allowable particulate matter emissions rate from any process not already regulated by 326 IAC 6-1 or any New Source Performance Standard, and which has a maximum process weight rate less than 100 pounds per hour shall not exceed 0.551 pounds per hour.

This registration is the first air approval issued to this source. The source may operate according to 326 IAC 2-5.5.

An authorized individual shall provide an annual notice to the Office of Air Management that the source is in operation and in compliance with this registration pursuant to (326 IAC 2-5.1-2(f)(3)). The annual notice shall be submitted to:

Compliance Data Section  
Office of Air Management  
100 North Senate Avenue  
P.O. Box 6015  
Indianapolis, IN 46206-6015

no later than March 1 of each year, with the annual notice being submitted in the format attached.

An application or notification shall be submitted in accordance with 326 IAC 2 to the Office of Air Management (OAM) if the source proposes to construct new emission units, modify existing emission units, or otherwise modify the source.

Sincerely,

Paul Dubenetzky, Chief  
Permits Branch  
Office of Air Management

RJC

cc: File - Elkhart County  
Elkhart County Health Department  
Air Compliance - Greg Wingstrom  
Permit Tracking - Janet Mobley  
Technical Support and Modeling - Michele Boner  
Compliance Data Section - Karen Nowak

<b>Registration Annual Notification</b>
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This form should be used to comply with the notification requirements under **326 IAC 2-5.1-2(f)(3) or 326 IAC 2-5.5-4(a)(3)**

<b>Company Name: Schmidt Furniture and Music, LLC</b>
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<b>Address: 13507 Shively Road</b>
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<b>City: Bremen, IN46506</b>
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<b>Authorized individual:</b>
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<b>Phone #:</b>
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<b>Registration #:039-12076-00537</b>
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I hereby certify that Schmidt Furniture and Music, LLC is still in operation and is in compliance with the requirements of Registration 039-12076-00537.

<b>Name (typed):</b>
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<b>Title:</b>
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<b>Signature:</b>
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<b>Date:</b>
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**Indiana Department of Environmental Management  
Office of Air Management**

**Technical Support Document (TSD) for a New Source Construction and  
Registration**

**Source Background and Description**

Source Name: Schmidt Furniture and Music, LLC  
Source Location: 903 Nelsons Parkway, Wakarusa, IN 46206  
County: Elkhart  
SIC Code: 2511  
Operation Permit No.: 039-12076-00537  
Permit Reviewer: R. Joe Crawford

The Office of Air Management (OAM) has reviewed an application from Schmidt Furniture and Music, LLC relating to the construction and operation of wood finishing.

**New Permitted Emission Units and Pollution Control Equipment**

The source consists of a furniture manufacturer using (1) wood finishing spray booth to apply stain and topcoat to the finished product.

**Stack Summary**

Stack ID	Operation	Height (feet)	Diameter (feet)	Flow Rate (acfm)	Temperature (°F)
#1	vent	10	2	7000	ambient

**Enforcement Issue**

There are no enforcement actions pending.

**Recommendation**

The staff recommends to the Commissioner that the construction and operation be approved. This recommendation is based on the following facts and conditions:

Unless otherwise stated, information used in this review was derived from the application and additional information submitted by the applicant.

An application for the purposes of this review was received on March 22, 2000, with additional information received on April 25, 2000.

## Emission Calculations

The calculations submitted by the applicant have been verified and found to be accurate and correct. These calculations are provided in Appendix A of this document (4) pages.

## Potential To Emit

Pursuant to 326 IAC 2-1.1-1(16), Potential to Emit is defined as “the maximum capacity of a stationary source or emissions unit to emit any air pollutant under its physical and operational design. Any physical or operational limitation on the capacity of a source to emit an air pollutant, including air pollution control equipment and restrictions on hours of operation or type or amount of material combusted, stored, or processed shall be treated as part of its design if the limitation is enforceable by the U. S. EPA, the department, or the appropriate local air pollution control agency.”

Pollutant	Potential To Emit (tons/year)
PM	0.18
PM-10	0
SO <sub>2</sub>	0
VOC	24.83
CO	0
NO <sub>x</sub>	0

HAP's	Potential To Emit (tons/year)
Toluene	3.50
Xylene	2.96
Ethyl Benzene	0.78
Methanol	0.34
Formaldehyde	0.02
TOTAL	7.6

- (a) The potential to emit (as defined in 326 IAC 2-7-1(29)) of VOC is less than 25 tons per year, but greater than 10 tons per year. Therefore, the source is subject to the provisions of 326 IAC 2-5.1 for new sources.

## County Attainment Status

The source is located in Elkhart County.

Pollutant	Status
PM-10	attainment
SO <sub>2</sub>	attainment
NO <sub>2</sub>	attainment
Ozone	maintenance attainment
CO	attainment
Lead	attainment

- (a) Volatile organic compounds (VOC) and oxides of nitrogen (NO<sub>x</sub>) are precursors for the formation of ozone. Therefore, VOC emissions are considered when evaluating the rule applicability relating to the ozone standards. Elkhart County has been designated as attainment or unclassifiable for ozone. Therefore, VOC and NO<sub>x</sub> emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD),

326 IAC 2-2 and 40 CFR 52.21.

- (b) Elkhart County has been classified as attainment or unclassifiable for all other criteria pollutants. Therefore, these emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2 and 40 CFR 52.21.

### Source Status

New Source PSD Definition (emissions after controls, based on 8,760 hours of operation per year at rated capacity and/ or as otherwise limited):

Pollutant	Emissions (ton/yr)
PM	0.18
PM10	0
SO <sub>2</sub>	0
VOC	24.83
CO	0
NO <sub>x</sub>	0
Single HAP	3.50
Combination HAPs	7.6

### Part 70 Permit Determination

326 IAC 2-7 (Part 70 Permit Program)

This new source is not subject to the Part 70 Permit requirements because the potential to emit (PTE) of:

- (a) each criteria pollutant is less than 100 tons per year,
- (b) a single hazardous air pollutant (HAP) is less than 10 tons per year, and
- (c) any combination of HAPs is less than 25 tons/year.

This is the first air approval issued to this source.

### Federal Rule Applicability

- (a) There are no New Source Performance Standards (NSPS)(326 IAC 12 and 40 CFR Part 60) applicable to this source.
- (b) There are no National Emission Standards for Hazardous Air Pollutants (NESHAPs)(326 IAC 14 and 40 CFR art 63) applicable to this source.

### State Rule Applicability - Entire Source

326 IAC 2-6 (Emission Reporting)

This source is subject to 326 IAC 2-6 (Emission Reporting), because it has the potential to emit more than ten (10) tons per year of VOC. Pursuant to this rule, the owner/operator of the source must annually submit an emission statement for the source. The annual statement must be received by April 15 of each year and contain the minimum requirement as specified in 326 IAC 2-6-4. The submittal should cover the period defined in 326 IAC 2-6-2(8)(Emission Statement Operating Year).

### 326 IAC 5-1 (Opacity Limitations)

Pursuant to 326 IAC 5-1-2 (Opacity Limitations), except as provided in 326 IAC 5-1-3 (Temporary Alternative Opacity Limitations), opacity shall meet the following, unless otherwise stated in this permit

- (a) Opacity shall not exceed an average of forty percent (40%) any one (1) six (6) minute averaging period as determined in 326 IAC 5-1-4.
- (b) Opacity shall not exceed sixty percent (60%) for more than a cumulative total of fifteen (15) minutes (sixty (60) readings) as measured according to 40 CFR 60, Appendix A, Method 9 or fifteen (15) one (1) minute nonoverlapping integrated averages for a continuous opacity monitor) in a six (6) hour period.

### State Rule Applicability - Individual Facilities

#### 326 IAC 8-2-12 (Surface coating Emission Limitations: Wood Furniture and Cabinet Coating)

Pursuant to 326 IAC 8-2-12 (b) the source shall apply the coating using one or more of the application methods.

Airless Spray Application	Air-Assisted Airless Application
Electrostatic Spray Application	Electrostatic Bell or Disc Application
Heated Airless Spray Application	Roller Coating
Brush or Wipe Application	Dip-and Drain Application
High Volume Low Pressure	Aerosol Spray Cans

This spray booth utilizes HVLP and Air spray technologies, and is therefore in compliance with 326 IAC 8-2-12 (Wood Furniture and Cabinet Coatings)

#### 326 IAC 6-3-2 (Process Operations)

Pursuant to 326 IAC 6-3-2(c), the allowable particulate matter emissions rate from any process not already regulated by 326 IAC 6-1 or any New Source Performance Standard, and which has a maximum process weight rate less than 100 pounds per hour shall not exceed 0.551 pounds per hour.

### Air Toxic Emissions

Indiana presently requests applicants to provide information on emissions of the 188 hazardous air pollutants (HAPs) set out in the Clean Air Act Amendments of 1990. These pollutants are either carcinogenic or otherwise considered toxic and are commonly used by industries. They are listed as air toxics on the Office of Air Management (OAM) Construction Permit Application Form Y.

- (a) This source will emit levels of air toxics less than those which constitute a major source according to Section 112 of the 1990 Clean Air Act Amendments.

### Conclusion

The construction and operation of this wood finishing spray booth shall be subject to the conditions of the attached proposed New Source Construction and Registration 039-12076-00537.